Getting Technology to the Warfighter

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Who is the Warfighter?

Military Services

- *Core Military/Service-specific capability providers*
- *"…to organize, train and equip…"*

Joint Combatant Commands

- *Military capability end-user –* ***the warfighters***

What are Joint Capabilities?

AS&C Program Perspective

Multi-Service Core Military Capabilities.

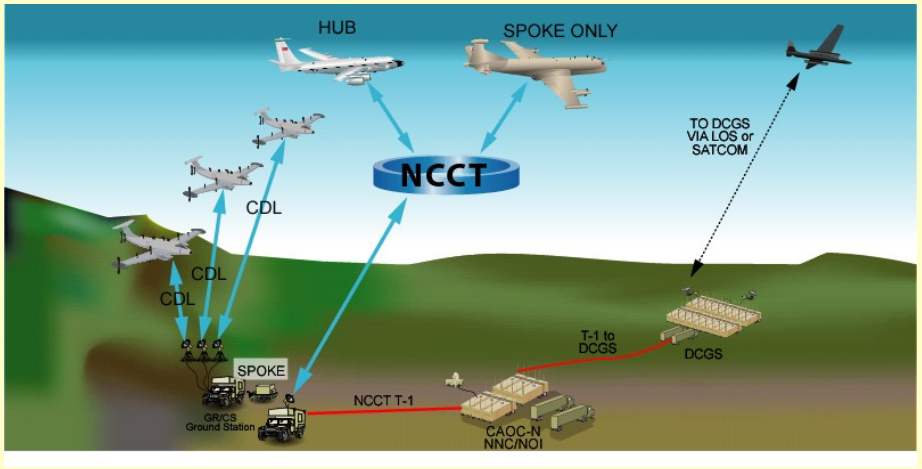
Common denominator Military forces provided worldwide as self-integrated, self-sustaining echelons by the Services.

(Global Positioning System, Movement Tracking System)

Joint Enabling Capabilities.

Additional capabilities required by warfighters to exercise joint command, and to enable core military elements to function effectively as a coherent joint force.

(Network Centric Operations, Common Operational Picture)



Unique Regional/Specified Mission Requirements.

Capabilities beyond common core military capabilities required by warfighters to effectively function in operational environments associated with assigned regional or specified missions.

(Foliage Penetrating Radar,

Joint is an inter-Service reliance acting together as one - not a patchwork of deconflicted Service operations.

(General Tommy Franks, excerpts from *American Soldier*)

Are There Valid Requirements Beyond Service-Specific/Core Military Capabilities?

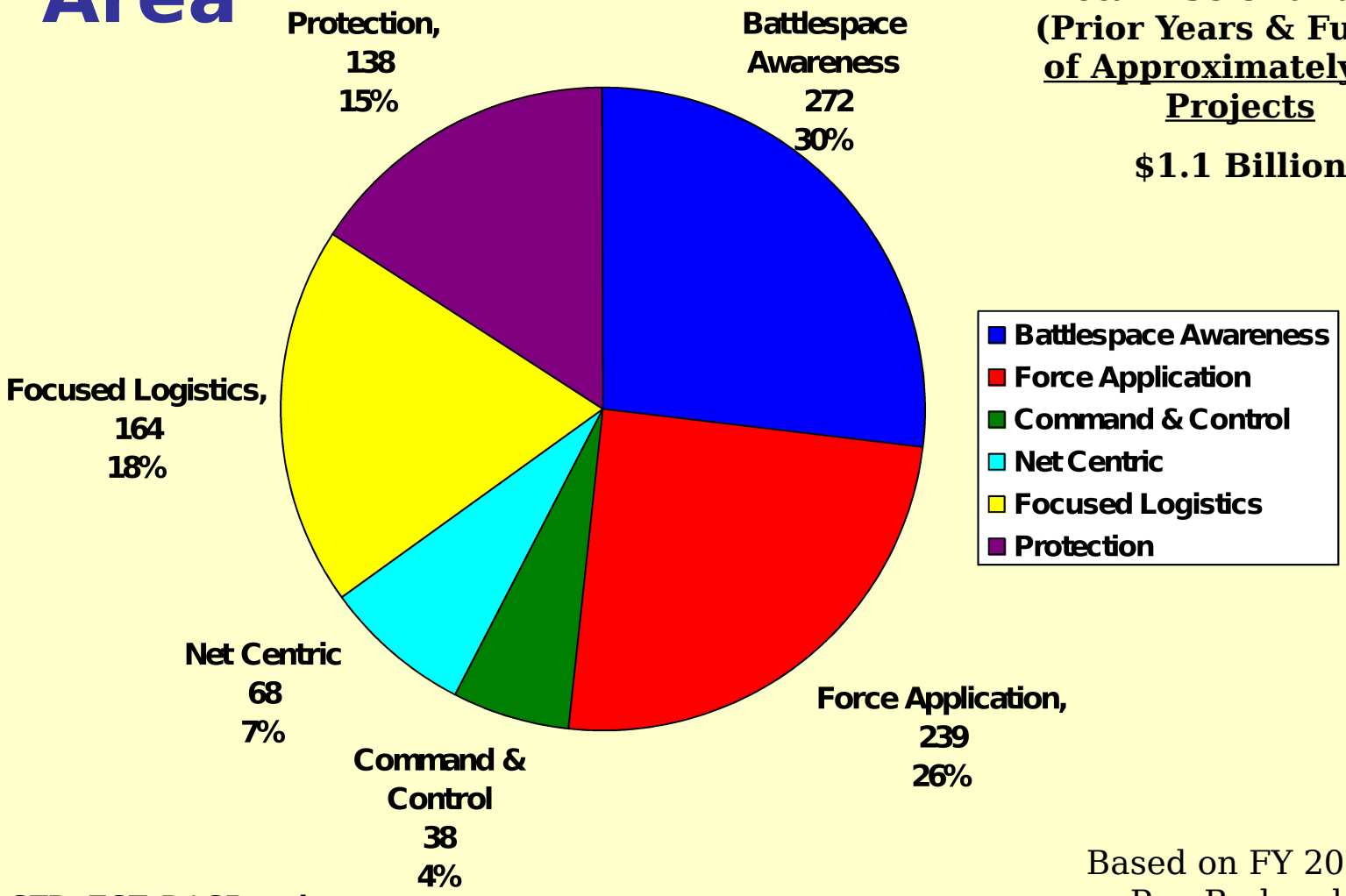
Characterization of Joint CoCom Requirements:

- **Core Service-specific capabilities (~80%?)**
- **Joint Coalition military requirements (~20%?)**
  - ***Joint capability enablers* (~10% - and growing)**
  - ***Tailored regional/specified requirements* (~10%?)**

AS&C Funding Split (FYDP) by Functional Capability

Dollars in Millions

Area



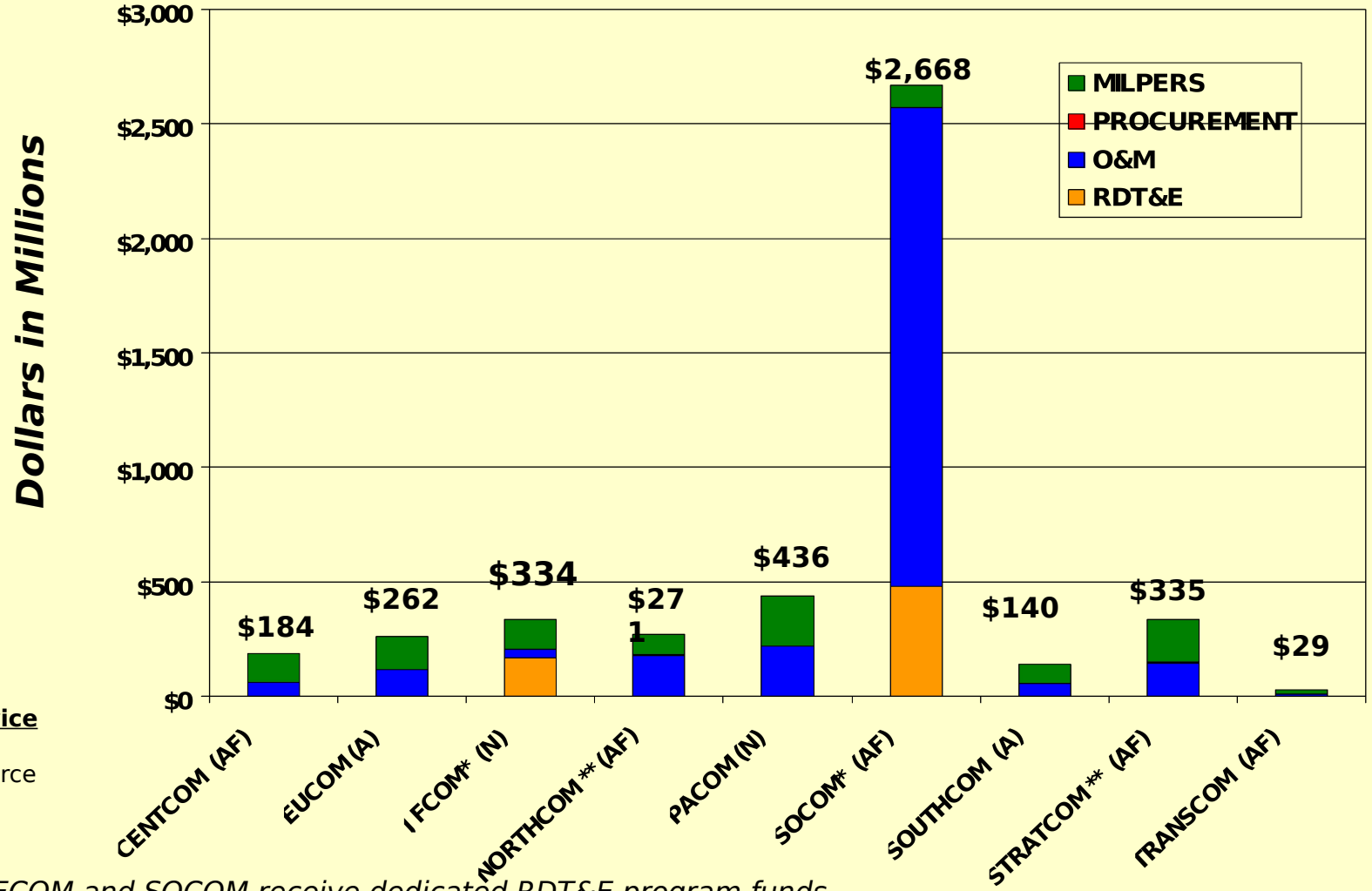
Total AS&C funding (Prior Years & Future) of Approximately 200 Projects

$1.1 Billion

Includes: ACTD, FCT, DACP, and TTI

Based on FY 2006 PresBud and Congressional Reports

FY-2005 CoCom Funding Support



Lead Service
A = Army
AF = Air Force
N =Navy

** Only JFCOM and SOCOM receive dedicated RDT&E program funds*
*** NORTHCOM and STRATCOM have limited Procurement funds*

Based on FY-05 PresBud Submit

Advanced Systems & Concepts

Rapidly placing relevant, mature technology into the hands of warfighters

DoD's resource for technology transition

ManTech's Focal Plane Array Cooled and uncooled IRFPAs and components for the Near IR, Mid IR, and Long IR wavebands

AS&C Partners with Services & Agencies to:

- **Match technology to warfighting needs**
- **Overcome resistance to transformational concepts**
- **Ensure technology contributes to joint capabilities**
- **Provide joint warfighters with options for integrating service capabilities**

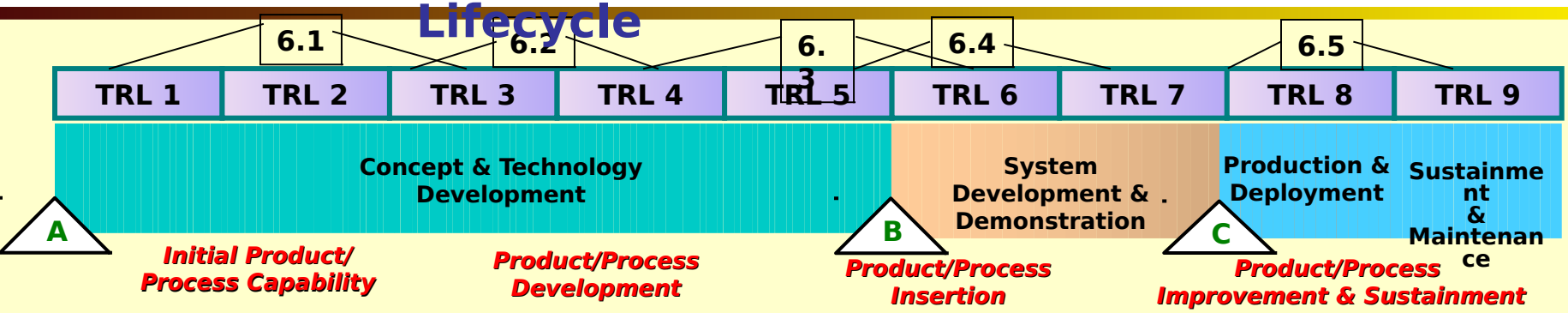
Defense Acquisition Challenge Aerogel for Ships: Fire barrier, IR Suppression, Blast Mitigation, Decreased Weight, Volume, Installation Costs, and Fuel Savings

Raven UAV for small units from Pathfinder ACTD

Title III's Laser Protective Eyewear

AS&C Programs

Addressing Acquisition Lifecycle



Joint Warfighting Program (JWP)

ACTDs /JCTDs

Defense Acquisition Challenge

Foreign Comparative Testing

Independent Research & Development

Tech Link

Manufacturing Technology

Tech Transition Initiative

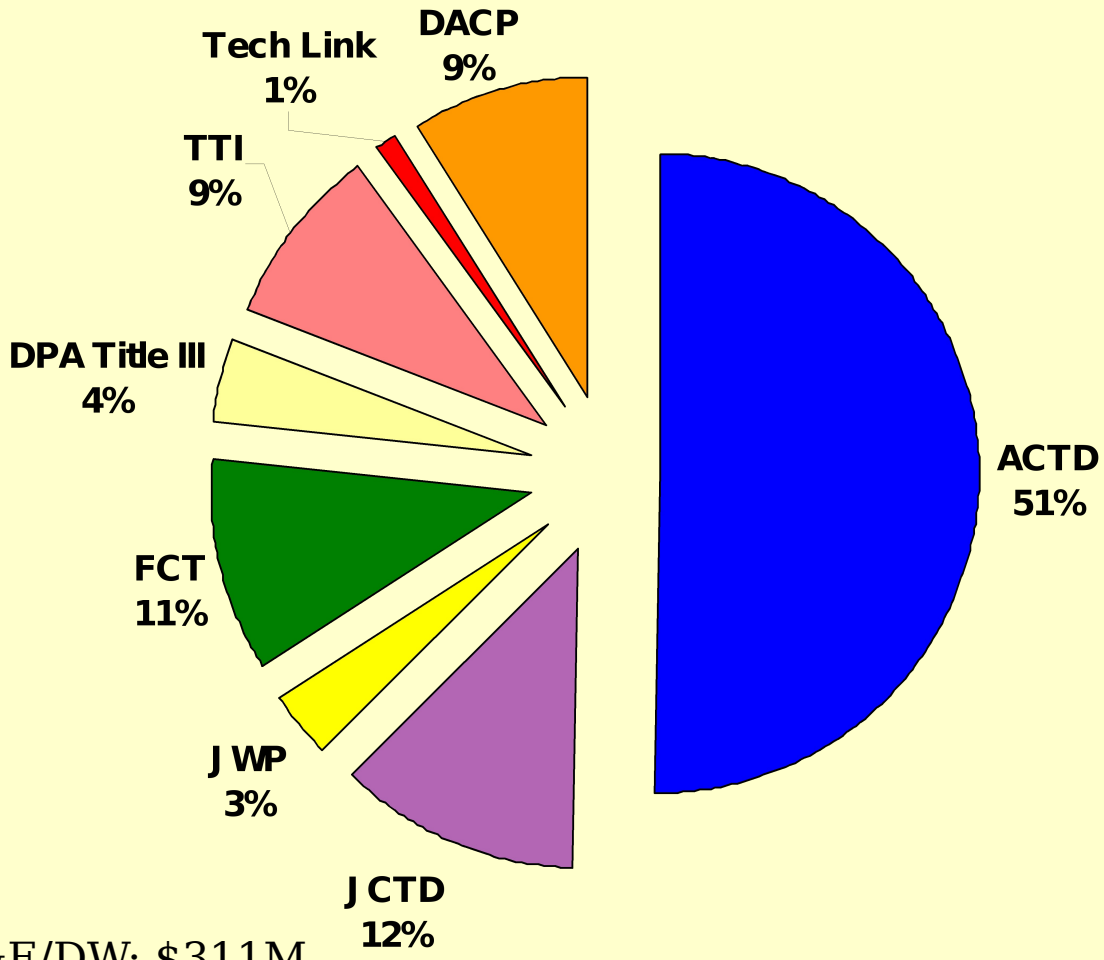
Title III of the Defense Production Act

Joint CoCom Customer

Service/Agency Customer

FY 2006 AS&C Resources Overview (Direct Oversight of $325M) as of Feb 2005

Source: FY 2006 President's Budget

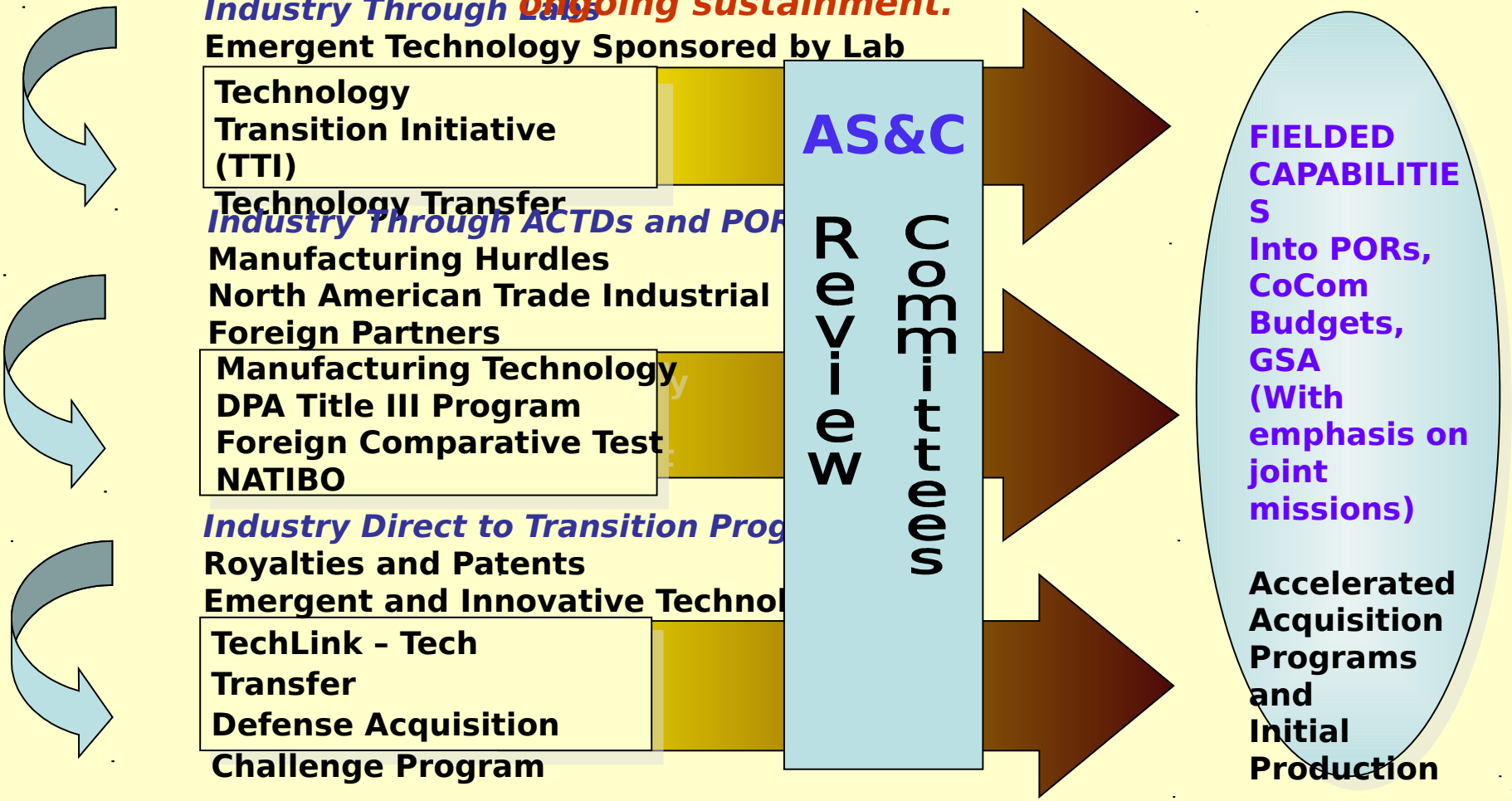


Program	$M
Advanced Concept Technology Demonstration (ACTD) (BA-3)	$164
Joint Capability Technology Demonstration (JCTD) (BA-3/4/5 & Procure)	$40
Joint Warfighting Program (JWP)-BA-3	$10
Foreign Comparative Testing (FCT)-BA-6	$36
Defense Production Act (DPA) Title III	$13
Technology Transition Initiative (TTI)-BA-3	$30
TechLink (BA-3)	$3
Defense Acquisition	

- RDT&E/DW: $311M
- DPA Title III Procurement: $13M
- OSD Maj Equip-ICTD Procure:

AS&C Industry Opportunities

Technology transition programs can work in harmony or independently, but they all share a common goal—to accelerate the best technologies available to the warfighter into residual capabilities, acquisition programs, and ongoing sustainment.



AS&C Programs

www.acq.osd.mil/asc

Program	Website	Phone
Advanced Concept Technology Demonstration (ACTD)	www.acq.osd.mil/actd	(703) 697 - 3568
DPA Title III	www.dtic.mil/dpatitle3	(703) 607 - 5314
Independent R & D	www.dtic.mil/ird	(703) 607 - 5314
Comparative Test Office	www.acq.osd.mil/cto	(703) 602 - 3740
Def Acquisition Challenge	https://bids.acqcenter.com/dacp	(703) 602 - 3739
Technology Transfer	www.dtic.mil/techtransit	(703) 607 - 5315
TechLink	www.techlinkcenter.org	(703) 607 - 5315
TechMatch	www.dodtechmatch.com	(703) 607 - 5315
NATIBO	www.dtic.mil/natibo	(703) 607 - 5315
Dual Use S&T	www.dtic.mil/dust	(703) 607 - 5315
Tech. Transition Initiative	www.acq.osd.mil/iti	(703) 607 - 5316
ManTech	www.dodmantech.com	(703) 607 - 5319

NDIA S&T Conference - Charleston

QUESTIONS?

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